

ELEVATED PORE PHASE-CHANGE MEMORY

Abstract of the Disclosure

An elevated phase-change memory cell facilitates manufacture of phase-change memories by physically
5 separating the fabrication of the phase-change memory components from the rest of the semiconductor substrate. In one embodiment, a contact in the substrate may be electrically coupled to a cup-shaped conductor filled with an insulator. The conductor couples current up to the
10 elevated pore while the insulator thermally and electrically isolates the pore.